

Algebra 2 GHP
Problem Solving – Unit 7

Try These.

1. A canoe can travel 50 mi upstream in the same time it can travel 75 mi downstream. If the canoe travels 3 mi/h slower upstream than it travels downstream, how fast does it travel downstream?
2. A carpenter can build a bookcase in 2 h. His apprentice can build the same bookcase in 5 h. How long will it take them to finish the job together?
3. A chemist has 40 L of a 15% acid solution. How much water should be evaporated from the solution to obtain a 20% solution?
4. It takes the same time for a person to drive 150 mi as it takes a plane to fly 1350 mi. If the plane is flying 400 mi/h faster than the car, how fast is each traveling?
5. Robin can paint a 9 – ft – by 12 – ft room in 2 h, and Joy can paint the same room in 3 h. If they work together, how long will it take them to paint the room?